VM-300

P8-331C

BRIGHTNESS VR8 500

CONTRAST VR1 1K

H.HOLD VR2 500

V. HOLD VR3 100K

V FREQ VR102 2K

V SIZE VR103 20K

V LIN VR104 20K

H.FREQ VR101 5K

VOLUME VR4 10K

CN1 CN2

SW

Z101 μPC5700

Z102 TA7066P

Q101 2SC1641

Q102 2SC403C

Q103 2SC1741

Q104 2SC1124

Q105 2SC1641

Q106 2SA678

Q107 2SA671

Q108 2SC1741

Q109 2SA678

Q110 2SC1061B

Q111 2SC1641

Q112 2SC1641

Q113 2SC1641

D101 1SS178

D102 HF-1

D103 HF-1

D104 1S2076

D105 1S2076

D106 1S2076

D107 HF-1

D108 1S2076

D109 RD4.7A

T101 DT-268

T1 DH-1120H

DY-1 DY-1110D

L101 DL-205

SP

CRT 85KB4

SS101

WIDTH

2SC1061B 2SC1124 2SA678 2SC403C 2SC1641 2SC1741

WARNING

THIS CHASSIS CONTAINS COMPONENTS CRITICAL FOR X-RADIATION SAFETY. FOR CONTINUED X-RADIATION SAFETY PLEASE REPLACE WITH A COMPONENTS OF THE SAME TYPE.

NOTE

1. UNLESS OTHERWISE SPECIFIED ALL RESISTORS IN OHMS 1/4 W ALL CAPACITORS IN μF
2. ✱MARK INDICATES NEED OF ADJUSTMENT
3. VM-300 SCHEMATIC DIAGRAM IS SIMILAR AS VM-110A

VM-300 MONITOR SCHEMATIC DIAGRAM

NO. 1560254A

2C

2C733-201A

VA-300

CSA

T901 PXT-10

120V

YLW

120V

D901 SLP-710F

R901 1/2W 1.2K(K)

D902 1S1588

F1 1A

SW 901

RED

0V

CEE VDE

T901 PXT-14

240V

BEAB ONLY.

WHT

220V

F1 3.15AT

F1 1AT

SW 901

RED

0V

BEAB

T901 PXT-14

F3 315mAT

BLU

240V

CEE ONLY

220V

F1 3.15AT

F2 1AT

SW901

RED

0V

240V

JPN

T901 PXT-12

F1 1.2A GRN

100V

100V 50 60Hz

SW 901

RED

0V

NOTE

UNLESS OTHERWISE SPECIFIED

RESISTORS IN OHMS 1/4W (J)

CAPACITORS IN μF 50WV (J)

000900E

VOLTAGE SELECTOR

T901 PXT-7

BLU 240V

WHT 220V

YLW 120V

BRN 110V

GRN 100V

F1 100V-120V 1A

F2 220V-240V 0.5A

SW 901

POWER

RED 0V

AC INPUT 100V-240V 50/60Hz 65W

CHARGE & DC

DC OUT ⟺ CHARGE

D907 1001

SW 902

J 901

OFF

DC OUT ⟺ CHARGE

D907 1001

SCR901 CR2AM-1(1)(3)

SW 902

J901 DC OUTPUT

JPN ONLY

D901 SLP-710F

R901 1/2W 1.2K(K)

D902 1S1588

C901 0.15(K)

5B1

D903 D905 D904 D906

C902 2200/25

TR901 2SD80

23.5V R3(F.S) 1/2W 4.7K

R1 3.3K

R2 3.3K

C1 22/25

C2 0.1/25(Z)

TR1

23.4V

13.1V

12.6V

12.0V

D1 RD5A(M)

R4 680

5.9V

TR2 5.2V

R5 1.2K

8.8V

TR3

DC OUT ADJ

R7 470

VR1 500B

R8 330

R6 1.2K

C3 100/16

AC 15.0V

D4 D2 D5 D3

100C-1 (BLK)

100C-1 (RED)

IND 901 12V 70mA

R9 5W 1(K)

R12 6.8K

R15 3.9K

THI 34D22

R17 2K

R18 2K

TR4

R11 4.7K

TR5

VR2 2KB CHARGING VOLTAGE ADJ

R14 1.1K

R10 1/2W 180(K)

CR2AM-1(1)(3)

SCR901

POWER SUPPLY P.C BOARD PY-4001

POWER SUPPLY P.C BOARD PY-4001

2SA733(Q) E C B

2SC711(E)(F) B C E

2SD88 C B E

CR2AM-1 K A G

2SD571(L)(M) E C B

⑧ 19.5V 0V

ⓑ 19.5V 0V

ⓒ 19.5V 0V

ⓓ 7.0V 0V

ⓔ 15.5V 0V

ⓕ 6.5V 0V

ⓖ 19.7V 0V

WARNING: ⚠INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: ⚠IL INDIQU LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES CONPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT

VA-300 CHARGER SCHEMATIC DIAGRAM 1541409B

2C

VT-300

	U S	CCIR
IC402	MN1115P	MN1116P

	U S	CCIR
X401	31.5KHZ	31.25KHZ

	U S	CCIR
R510	220 K	240K
R512	220 K	240K
R514	43 K	100K
R585	200K(F)	270K(F)
R547	33 K	22K
R524	22 K	13K
R526	51 K	18K
C523	068/16(M)	1/16(M)
C524	47/10(M)	68/10(M)

SHUT OFF

POWER

PLG

SSG

SERVO

IC501 TA7120P (CRD)

IC502(D) MC14001CP

IC503(B) MC14011B

IC504(C) MC14011CP

IC401(F) MC14011CP

IC505(E) MC14011B

IC 402

IC 506 μA 741 TC

IC 507A μPC 1458 1/2

IC 507B μPC 1458 1/2

L501 RX22mH

L401 100μH(K)

X401

SERVO BALANCE ADJ

VOLTAGE ADJ

LEVEL METER ADJ

RL301 LC1-CE

P911 P914 P910 P912 P915 P913

TP1 TP2 TP3 TP4 TP5 TP6

NOTE

UNLESS OTHERWISE SPECIFIED;

RESISTORS IN OHMS 1/4W(J)

CAPACITORS IN μF 50WV(J)

UNLESS OTHERWISE SPECIFIED THE VOLTAGE IS IN E-E MODE

2SA733(Q)(R)
2SC945L(Q)(R)
2SC944(S)(P)(K)(L)
2SC536(E)(F)

2SC711(E)(F)

2SC1518(Q)

2SC1247A(V)
2SC1247A(BKV)

2SC1449(K)(L)(M)

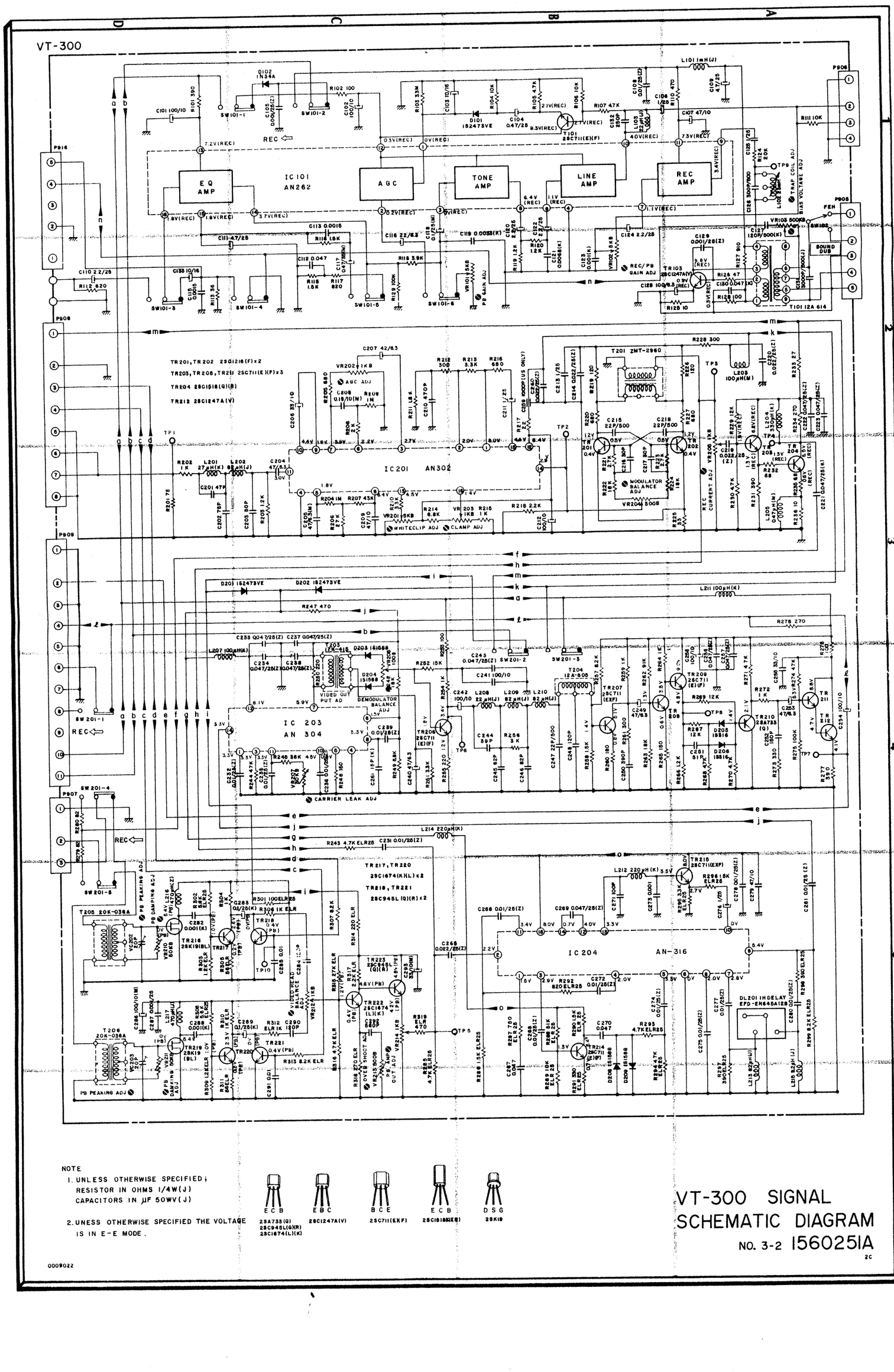
0009012

VT-300 CONTROL SCHEMATIC DIAGRAM

NO. 3-3 1560252A

2C

VT-300



NOTE

1. UNLESS OTHERWISE SPECIFIED;
   RESISTOR IN OHMS 1/4W(J)
   CAPACITORS IN μF 50WV(J)

2. UNESS OTHERWISE SPECIFIED THE VOLTAGE IS IN E-E MODE.

2SA735(Q) 2SC945L(QKR) 2SC1674(L)(K) | 2SC1247A(V) | 2SC711(EXF) | 2SC1815(GR) | 2SK19

VT-300 SIGNAL SCHEMATIC DIAGRAM

NO. 3-2 156025IA

2C

0009022

VT-300 BLOCK SCHEMATIC DIAGRAM

NO.3-1 1560250A

2C

SWITCH P.C BOARD PY-5004

LOADING MOTOR BLK

L.1,2	FL5R-200 x 2
C.1,2	TLD04F 0.001/25(Z) x 2

CAPSTAN MOTOR DRIVE P.C BOARD

※R2	560 ~ 820
※R6	27 ~ 33K
※R7	220K ~ ∞
※R8	56M ±5% Or 5.1M ±5%
VOLTAGE INDICATES IN E-E MODE	

FUSE P.C BOARD PY-5006

※	US	CCIR
F1	3A	3.15A

SIGNAL P.C BOARD PY-5022 No.000902

CONECTOR P.C BOARD PY-5003

CONTROL P.C BOARD PY-5023 No.000901

※	US	CCIR
T1	33Y-9841	09A-1331
C2	820P	470P

NOTE

1. [J/P] MARKS SHOWN CONNECTOR SYMBOL
   P IS CARD SIDE TERMINAL
   J IS WIRE HERNESS SIDE TERMINAL
   J902,903 US ONLY

2. UNLESS OTHERWISE SPECIFIED
   RESISTORS IN OHMS 1/4W (J)
   CAPACITORS μF 50WV (J).

3. UNLESS OTHERWISE SPECIFIED THE VOLTAGE IN E-E MODE.

0008992